

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions of claims in the application:

Listing of Claims:

1. (Currently Amended) A system for providing voice and data services over a wired data network and over a regulated wireless network, the system comprising:
a first wireless network including at least one wireless access point wired to the wired data network, wherein the wired data network is operative to provide information of at least one subscriber subscribing to the voice and data services, the at least one wireless access point being operative to provide wireless access to the wired data network over an unregulated wireless connection; and
at least one digital cordless handset for communicating with the at least one wireless access point via the unregulated wireless connection in order to access the voice and data services, and facilitating outgoing and incoming calls to the digital cordless handset through the wired data network utilizing information identifying the digital cordless handset associated with a subscriber and included in the subscriber information provided by the wired data network, based on a verification of a the subscriber and service provider identification, wherein the cordless handset comprises the subscriber identification and the associated service provider identification.
2. (Previously Presented) The system of Claim 1, wherein the first wireless network is operated by a first provider, wherein the system further comprises a second wireless network operated by a second provider, and wherein the at least one digital cordless handset is further operative to interoperate between the first wireless network and the second wireless network.
3. (Previously Presented) The system of Claim 1, wherein the at least one digital cordless handset is operative to communicate with the wired data network via the at least one wireless access points.

4. (Previously Presented) The system of Claim 3, wherein the at least one digital cordless handset is operative to switch between a first wireless access point and a second wireless access point during voice or data communication.

5. (Previously Presented) The system of Claim 4, wherein switching between the first wireless access point and the second wireless access point comprises exiting a wireless transmission area of the first wireless access point and entering a wireless transmission area of the second wireless access point.

6. (Previously Presented) The system of Claim 4, wherein the at least one digital cordless handset contains identification information, and wherein the identification information is transferred from the first wireless network to the wired data network where it is determined what voice and data services to provide based on the identification information.

7. (Original) The system of Claim 1, wherein the unregulated wireless connection is an IEEE 802.11 b connection.

8. (Currently Amended) A method of providing voice and data services over a wired data network, comprising:

detecting a digital cordless handset in range of a wireless access point over an unregulated wireless connection, wherein the wireless access point is wired to the wired data network, and wherein the wired data network is operative to provide information of ~~for~~ at least one subscriber subscribing to the voice and data services; and

providing for incoming calls to and outgoing calls from the digital cordless handset and through the wired data network utilizing digital cordless handset identity information associated with a subscriber and included in the subscriber information provided by the wired data network, based on a verification of ~~a~~ the subscriber and service provider identification, wherein the digital cordless handset comprises the subscriber identification and the associated service provider identification.

9. (Previously Presented) The method of Claim 8, further comprising: obtaining identification information from the digital cordless handset; and determining the voice and data services to provide to the digital cordless handset over the wired data network based upon the obtained identification information.

10. (Previously Presented) The method of Claim 8, further comprising assigning an IP address to the digital cordless handset upon detecting the handset being in range of the wireless access point, and wherein providing for incoming and outgoing calls comprises establishing a VoIP session between the digital cordless handset and the wired data network through wireless access point.

11. (Original) The method of Claim 10, wherein providing for incoming calls comprises detecting an IP address corresponding to a telephone number that is called and wherein the VoIP session is established with the digital cordless handset that is assigned the IP address corresponding to the telephone number.

12. (Original) The method of Claim 10, wherein providing for outgoing calls comprises establishing the VoIP session when receiving a dialed number at the digital cordless handset and completing a call to the party corresponding to the dialed number.

13. (Original) The method of Claim 8, wherein the unregulated wireless connection is a bluetooth connection.

14. (Currently Amended) A system for providing voice and data services over a wired data network, the system comprising:

a broadband residential gateway comprising a first network device for communicating with the wired data network, a second network device for providing a communications link to at least one wired network device over a local wired network, and a wireless access point operative to provide wireless access to the wired data network over an unregulated wireless connection, wherein the wired data network is operative to provide information ~~for~~ of at least one subscriber subscribing to the voice and data services; and

at least one digital cordless handset for communicating with the wireless access point via the unregulated wireless connection in order to provide the voice and data services, based on a verification of a subscriber and service provider identification, wherein the digital cordless handset comprises the subscriber identification and the associated service provider identification.

15. (Previously Presented) The system of Claim 14, wherein the at least one wired network device comprises at least one digital wired handsets for communicating with the wired data network in order to provide the voice and data services.

16. (Original) The system of Claim 15, wherein the local wired network comprises a home phone networking alliance network.

17. (Previously Presented) The system of Claim 15, wherein the wired data network is operative to generate a telephone call directed toward the broadband residential gateway and wherein the telephone call may be answered on the at least one digital cordless handset or the at least one digital wired handset.

18. (Previously Presented) The system of Claim 15, wherein the broadband residential gateway is operative to generate a telephone call directed toward the wired data network and wherein the telephone call may be initiated on the at least one digital cordless handset or the at least one digital wired handset.

19. (Previously Presented) The system of Claim 15, wherein the system further comprises a directory information database and wherein the at least one digital cordless handset or the at least one digital wired handset is operative to access directory information provided by the directory information database.

20. (Previously Presented) The system of Claim 14, wherein the at least one digital cordless handset transmits a user identifier to the wired data network and wherein the system further comprises a restriction database of the wired data network that applies rules to telephone calls of the at least one digital cordless handset based on a user of the at least one digital cordless handset.

21. (Previously Presented) The system of Claim 14, wherein the system further comprises a web interface at a personal computer linked to the wired data network, wherein the web interface provides for entry of administrative information for providing the voice and data services over the wired data network.

22. (Original) The system of Claim 12, wherein the unregulated wireless connection is an IEEE 802.11 b connection.